



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010436
CERTIFICATION DATE: January 30, 2014
DATE RECERTIFICATION DUE: July 29, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L 0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

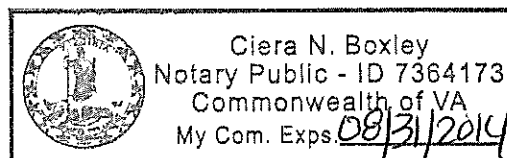
Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 10th day of February, 2014 by Michelle M. Billeter

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



mmB

Department of Forensic Science
Breath Alcohol Section
Instrument Location History
1/1/1990 To 1/30/2014

Instrument Serial Number:	010436	As of 30-Jan-14
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Start Date	End Date	Agency Name
30-Jan-14		Cumberland County Sheriff's Office
08-May-08	30-Jan-14	DFS Central Lab

MMB

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/30/2014**

Instrument Serial Number:	010436	As of 30-Jan-14
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
30-Jan-14	30-Jan-14	MMB (26417)	CERTIFIED.
05-Aug-13	05-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
28-Nov-12	28-Nov-12	TLN (25387)	CALIBRATED, ACCEPTED AND CERTIFIED.

mmB

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010436 Worksheet Start Date 1/30/2014
Location Cumberland County SO
Address 1492 Anderson Hwy Cumberland VA 23040
DFS Technician Michelle Billeter License No. 26417

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 762 Reference Barometer (mm HG) 760
Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.298
0.300	0.300	0.291	0.309	Sample 2	0.297
Precision		sample min	sample max	Sample 3	0.297
0.001		0.297	0.298		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.098
0.100	0.100	0.097	0.103	Sample 2	0.098
Precision		sample min	sample max	Sample 3	0.098
0		0.098	0.098		

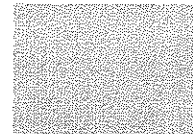
Dry gas standard Lot No. (with tank no.) AG209402-55

☐ Replaced dry gas standard (+O-ring)

☒ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

Instrument Serial Number

010436

Certification Date

1/30/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.248
0.250	0.251	0.243	0.258	Sample 2	0.247
Precision		sample min	sample max	Sample 3	0.246
0.002		0.246	0.248		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.150	0.145	0.154	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.148
0		0.148	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.080	0.077	0.083	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Michelle Beller

Date

1/30/14

Issuing Analyst

Michelle Beller

Date

2/3/14mbk

mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010436 Test Number: 993

Test Date: 01/30/2014 Test Time: 11:09 EST

Technician Initials: MMB

Dry Gas Target: 0.251

Lot Number: 0771325014-02 Exp Date: 05/01/2015

Tank Pressure: 821 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:09
BLK	0.000	11:10
CHK	0.248	11:11
BLK	0.000	11:12
CHK	0.247	11:12
BLK	0.000	11:14
CHK	0.246	11:14
BLK	0.000	11:16

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification*Department of Forensic Science*

Serial Number: 010436 Test Number: 994
Test Date: 01/30/2014 Test Time: 11:18 EST

Technician Initials: *MMB*Dry Gas Target: *0.150*

Lot Number: 2951215012-02 Exp Date: 11/01/2014
Tank Pressure: 198 psi Barometric Pressure: 762 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:19
BLK	0.000	11:19
CHK	0.148	11:20
BLK	0.000	11:21
CHK	0.148	11:22
BLK	0.000	11:23
CHK	0.148	11:24
BLK	0.000	11:25

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification*Department of Forensic Science*

Serial Number: 010436 Test Number: 995

Test Date: 01/30/2014 Test Time: 11:27 EST

Technician Initials: MMB

Dry Gas Target: 0.080

Lot Number: 0771308012-04 Exp Date: 05/01/2015

Tank Pressure: 321 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:27
BLK	0.000	11:28
CHK	0.079	11:29
BLK	0.000	11:30
CHK	0.079	11:31
BLK	0.000	11:32
CHK	0.079	11:33
BLK	0.000	11:34

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010436 Test Number: 996

Test Date: 01/30/2014 Test Time: 11:35 EST

Technician Initials: MMB

Dry Gas Target: 0.020

Lot Number: 0771302011-04 Exp Date: 05/01/2015

Tank Pressure: 360 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:36
BLK	0.000	11:37
CHK	0.019	11:37
BLK	0.000	11:39
CHK	0.019	11:39
BLK	0.000	11:41
CHK	0.019	11:41
BLK	0.000	11:42

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check*Department of Forensic Science*

Serial Number: 010436 Test Number: 997

Test Date: 01/30/2014 Test Time: 11:45 EST

Dry Gas Target: 0.300

Lot Number: AG322702-05 Exp Date: 08/15/2015

Tank Pressure: 477 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:46
CHK	0.298	11:47
BLK	0.000	11:49
CHK	0.297	11:49
BLK	0.000	11:51
CHK	0.297	11:51

Test Status: *Success*

Calibration CRC: E80628EC

mmB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010436 Test Number: 998

Test Date: 01/30/2014 Test Time: 11:56 EST

Dry Gas Target: 0.100

Lot Number: AG209402-55 Exp Date: 04/03/2014

Tank Pressure: 262 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:57
CHK	0.098	11:57
BLK	0.000	11:59
CHK	0.098	12:00
BLK	0.000	12:01
CHK	0.098	12:02

Test Status: *Success*

Calibration CRC: E80628EC

mmb




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY BILLETER, MICHELLE, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 26417	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/30/2014
TEST EQUIPMENT NUMBER 010436		

RESULTS: TIME SAMPLE TAKEN 12:09 EST
0.00
SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 30 Jan 2014 at 15:12

mmB

Test Results

Instrument Serial Number 010436

Test # 000999 Subject Test

Test Location 1 Department of
Test Date 30 Jan 2014

Test Location 2 Forensic Science
Test Time 12:03
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name BILLETER
Agency DFS Central Lab

Operator's First Name MICHELLE

License Number 26417
Operator's Middle Initial N

Card Serial Number 126417

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 30 Jan 2014 End Time 12:10

Result Time 12:09

Result Date 30 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:03

Data Type BLK

Sample Value 0.000

Sample Time 12:04

Data Type CHK

Sample Value 0.098

Sample Time 12:05

Data Type BLK

Sample Value 0.000

Sample Time 12:06

Data Type SUBJ

Sample Value 0.000

Sample Time 12:07

Data Type BLK

Sample Value 0.000

Sample Time 12:08

Data Type SUBJ

Sample Value 0.000

Sample Time 12:09

Data Type BLK

Sample Value 0.000

Sample Time 12:10

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG209402-55

Standard Expiration Date 04/03/2014

Tank Pressure 257

Barometric Pressure 761 mmHg

Blow Sample Number 1 Blow Duration 3.48 sec

Blow Volume 1708 cc End-of-Blow Time 12:07

Blow Sample Number 2 Blow Duration 3.85 sec

Blow Volume 1761 cc End-of-Blow Time 12:09

Tamper Evident Stamp 0e6447e2

Test Status Code 0

Test Status Success